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PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, SHADRINSK, USSR

NPIC/R-221/64

April 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification Review by NIMA / DoD

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25X1A

Launch Site A (TDI Site 1)	56-09N 63-52E	BE No	
Launch Site B (TDI Site 2)	56-10N 64-03E	BE No	
Launch Site C (TDI Site 3)	56-06N 63-56E	BE No	

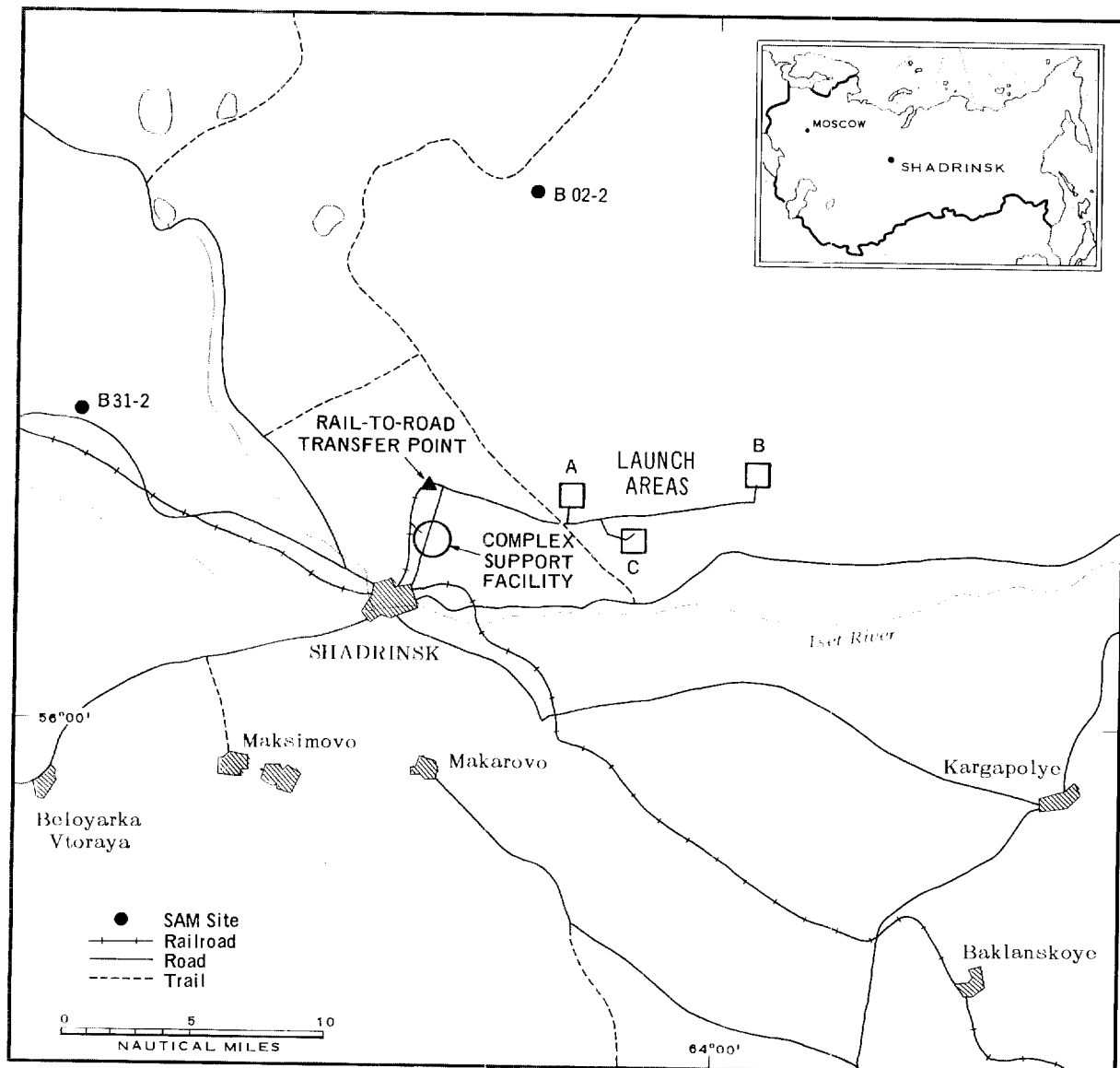


FIGURE 1. LOCATION OF COMPLEX.

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ICBM COMPLEX, SHADRINSK, USSR

INTRODUCTION

The Shadrinsk ICBM Complex is located 2.3 nautical miles (nm) north of the town of Shadrinsk and approximately 110 nm east of Sverdlovsk (Figure 1). It is situated on flat to gently rolling terrain, with numerous small lakes, ponds, and streams. Forested areas of considerable extent occur, but the locale is generally agricultural with many hamlets and villages. The complex extends eastward for approximately 13 nm and consists of a complex support facility, a rail-to-

road transfer point, and three Type IIIA launch areas. The complex cannot be negated, for it was present on the earliest usable photography in [REDACTED]

25X1D

The complex is defended by two SA-2 SAM sites. One, Shadrinsk SAM Site B02-2 (BE No [REDACTED]) is located at 52-21N 63-47E. The second, Shadrinsk SAM Site B31-2 (BE No [REDACTED]) is located at 56-13N 63-17E.

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COMPLEX SUPPORT FACILITY

The complex support facility is located at 56-08N 63-40E, 2.3 nm north of Shadrinsk. It is complete and consists of a railhead and storage area 4,200 by 2,700 feet, an administration and housing area 1,800 by 1,200 feet, a housing area, and a vehicle/equipment park (Figures 2 and 3). No security fencing has been identified. The facility is served by a branch line from the Sverdlovsk-Kurgan rail line and by several roads which lead westward from the main road between Shadrinsk and the village of Mogilskoye. The branch line from the Sverdlovsk-Kurgan rail line extends north-northeast to a point 2.3 nm north of Shadrinsk, where one branch continues 1.7 nm to the rail-to-road transfer point, and another turns southeast to the railhead and storage area, where it divides into four parallel spurs.

The railhead and storage area contains the four spurs, approximately 50 buildings, and an open storage area. The four parallel spurs range from 2,630 to 3,755 feet in length, are spaced from 485 to 635 feet apart, and have a turning

radius of approximately 1,000 feet. Of the approximately 50 buildings, 31 buildings of various shapes and sizes are located among the rail spurs, and are mostly transit sheds and warehouses. A batch plant is located between the two northern rail spurs. An area approximately 1,400 by 1,200 feet, situated between the sidings in the northwest half of the railhead and storage area, is used for open storage.

The administration and housing area is north of the railhead and storage area and consists of approximately 40 buildings. Among these are 10 barracks buildings, 9 administration buildings, and 17 apartment-type buildings.

A housing area containing 10 barracks and 7 miscellaneous buildings is located on the south side of the railhead and storage area. A vehicle/equipment park is just northwest of this housing area. A fenced possible motor pool is located east of the complex support facility on the opposite side of the complex main road.

RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point is located 1.7 nm north of the complex support facility at

56-10N 63-41E, at the terminus of the branch rail line (Figure 4). A loop road, enclosing an

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area 1,500 feet long and 480 feet wide, is parallel to and astride of the rail terminus. A crossover driveway connects the longer sides of the loop approximately at the center. Six buildings of undetermined function are associated with the transfer point. No security fencing has been identified, although the transfer point is prob-

ably complete. A trace through the wooded area to the west may indicate that a road will be constructed in that direction. The complex main road, characterized by wide-radius turns, runs eastward from the transfer point and connects it with all elements of the complex.

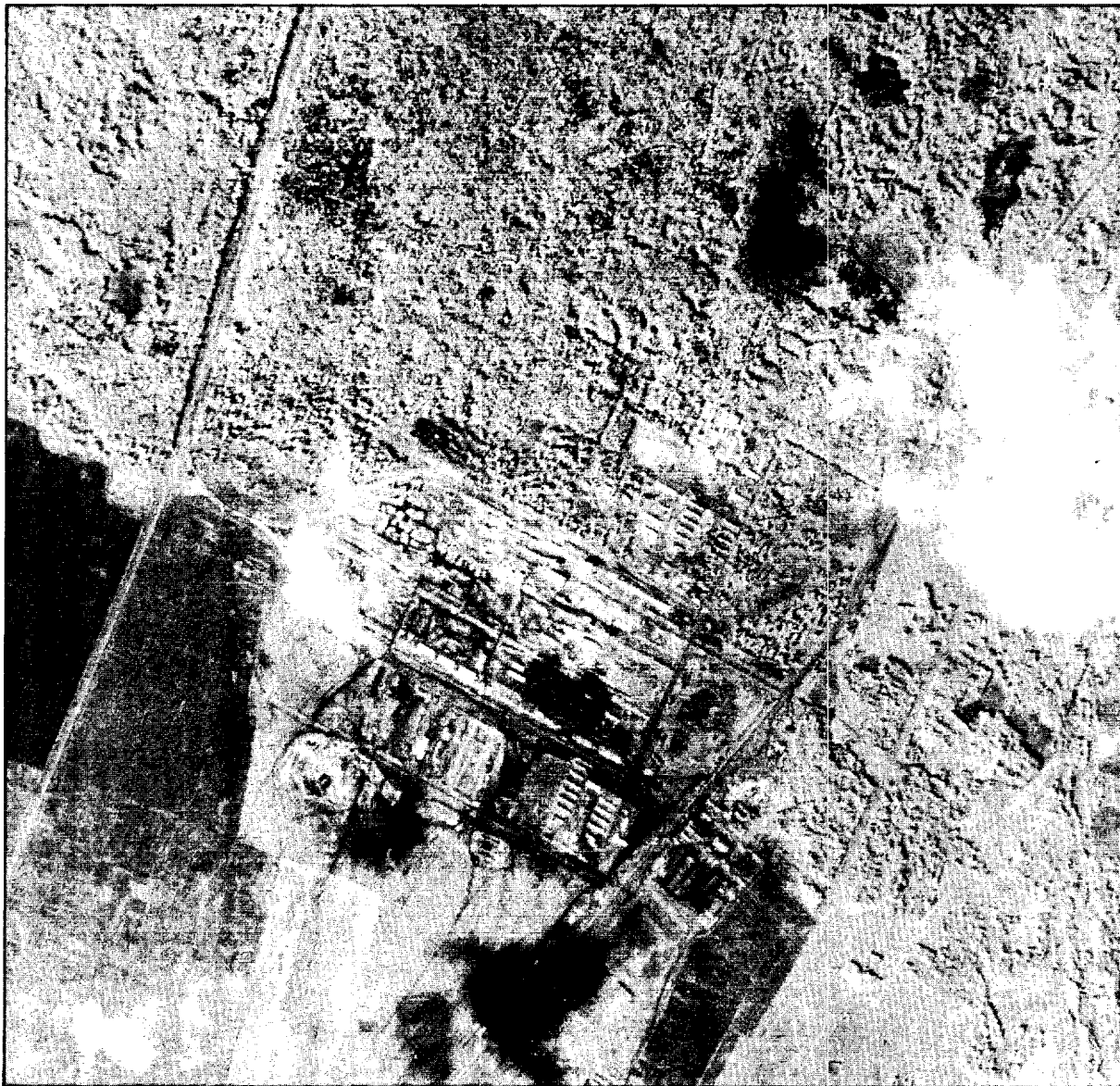


FIGURE 2. COMPLEX SUPPORT FACILITY.

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LAUNCH AREA A

Launch Area A contains a Type IIIA launch site, a site support facility, and a receiving, inspection, and maintenance (RIM) facility, located in a wooded area 6.8 nm east-northeast of the complex support facility (Figure 5). It is

served by an access road which has wide-radius turns. This road extends across the secured launch site and appears to continue beyond the security fence in a northerly direction. The site was present on the first usable photography in

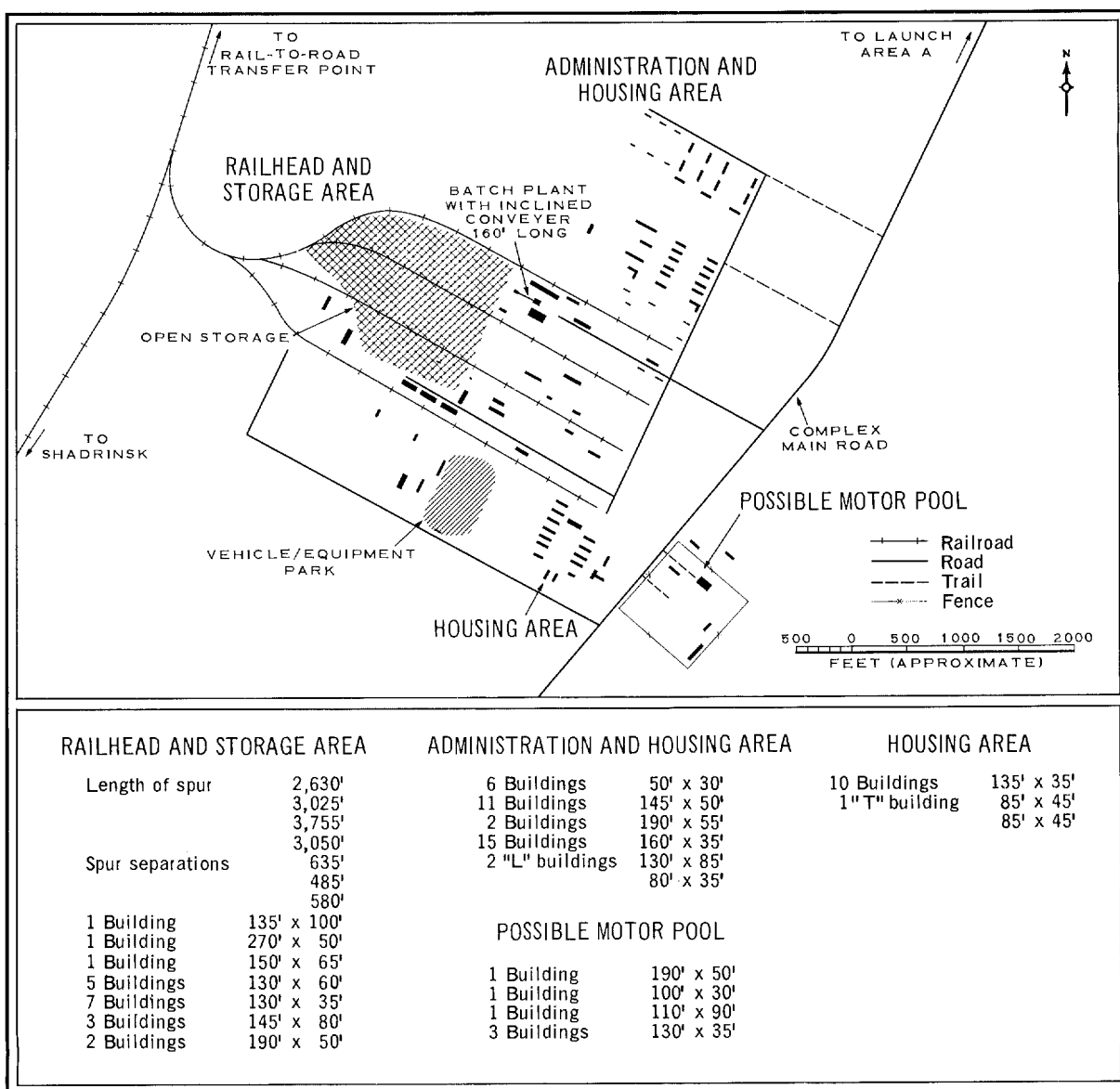


FIGURE 3. LAYOUT OF COMPLEX SUPPORT FACILITY.

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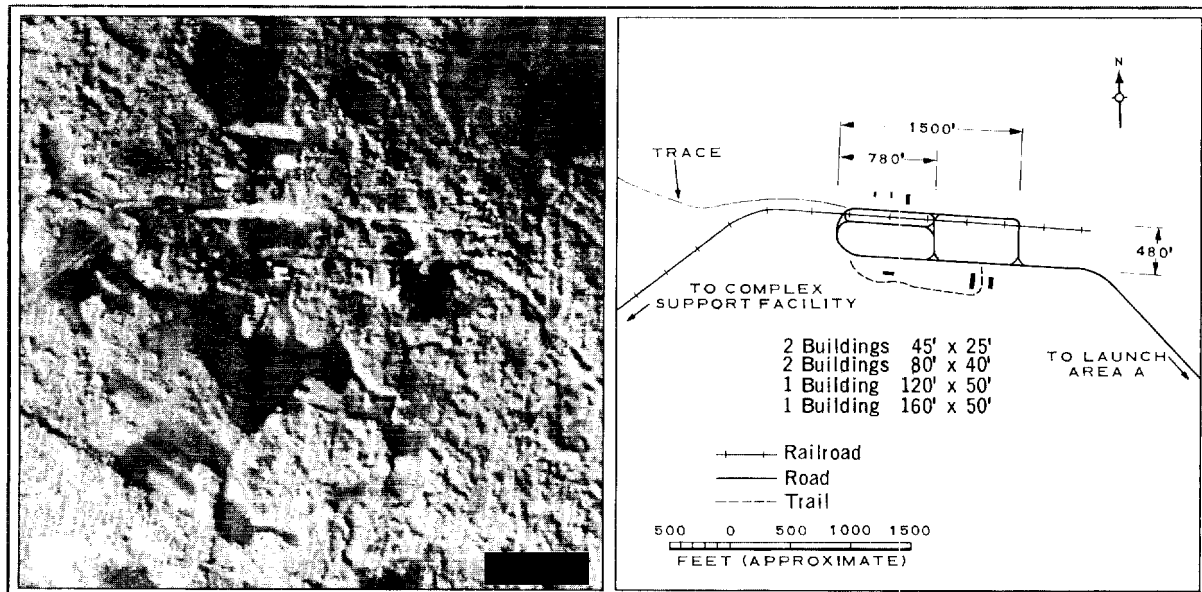


FIGURE 4. RAIL-TO-ROAD TRANSFER POINT.

NPIC H-9002 (4/64)

25X1D [REDACTED] when it was in an early stage of construction.

The launch site is probably complete and is secured by a double fence forming an irregular rectangle with overall dimensions of 1,800 by 1,300 feet. The site is oriented on an azimuth of 60 degrees, plus or minus 5 degrees, and has been backfilled. On the photograph of [REDACTED]

road. It covers an area 1,700 by 775 feet which is probably enclosed by a double security fence, although the west side has not been completely identified. [REDACTED]

Four buildings, which are outside of and adjacent to the fence, appear to be under construction. Two smaller buildings are near the road connecting the access road to the facility. The connecting road has wide-radius turns.

An unidentified group of eight buildings and one additional building under construction are situated 3,500 feet north of the RIM facility, and may be associated with it.

The site support facility contains a housing section of 34 buildings, 7,800 feet south of the launch site, on the west side of the access road.

The RIM facility is located 6,600 feet south of the launch site on the east side of the access

LAUNCH AREA B

Launch Area B contains a Type IIIA launch site in a late stage of construction, a site support facility, and a probable RIM facility, located

in a wooded area 13 nm east of the complex support facility (Figure 6). It is served by an access road which has wide-radius turns. The site was

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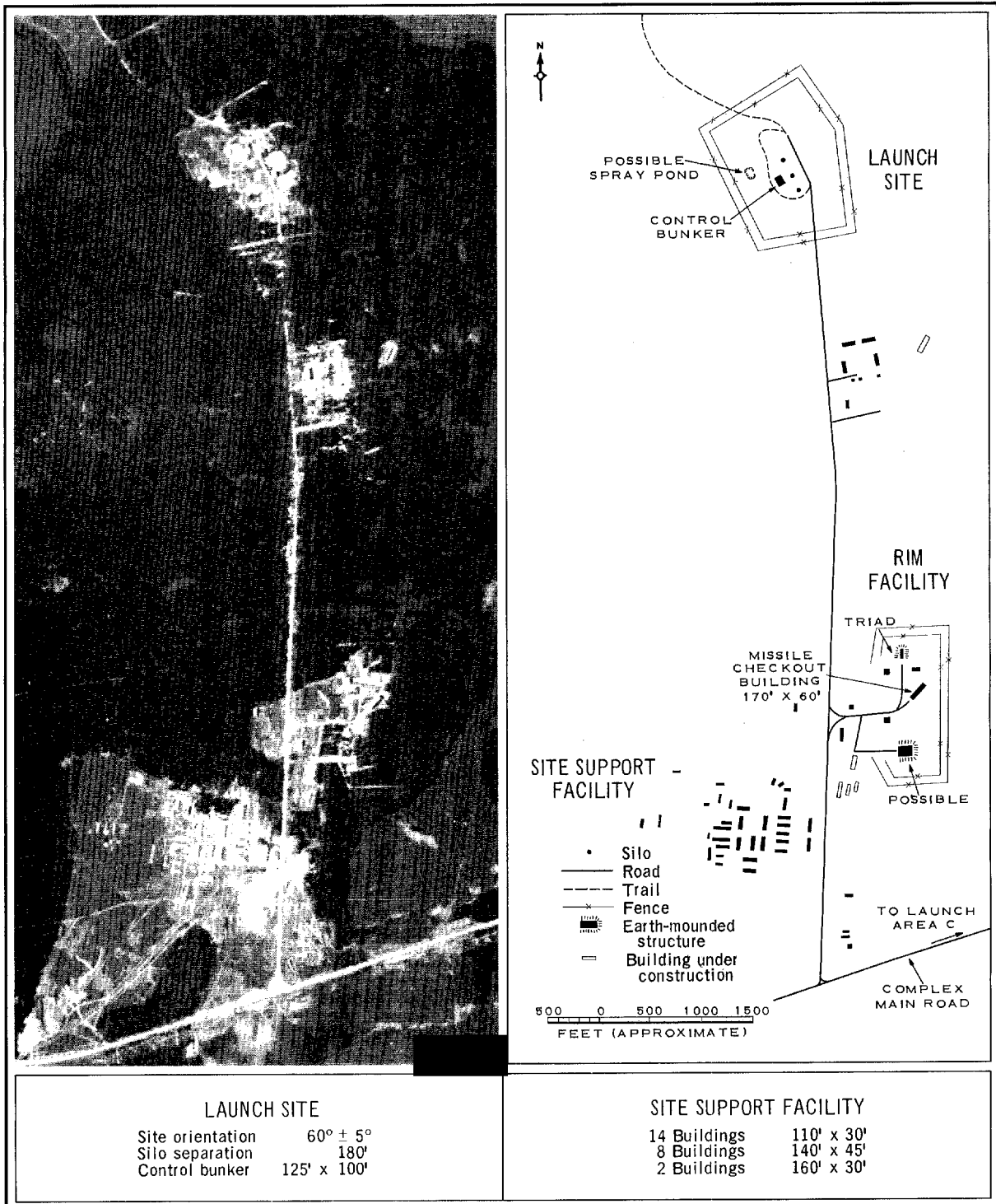


FIGURE 5. LAUNCH AREA A.

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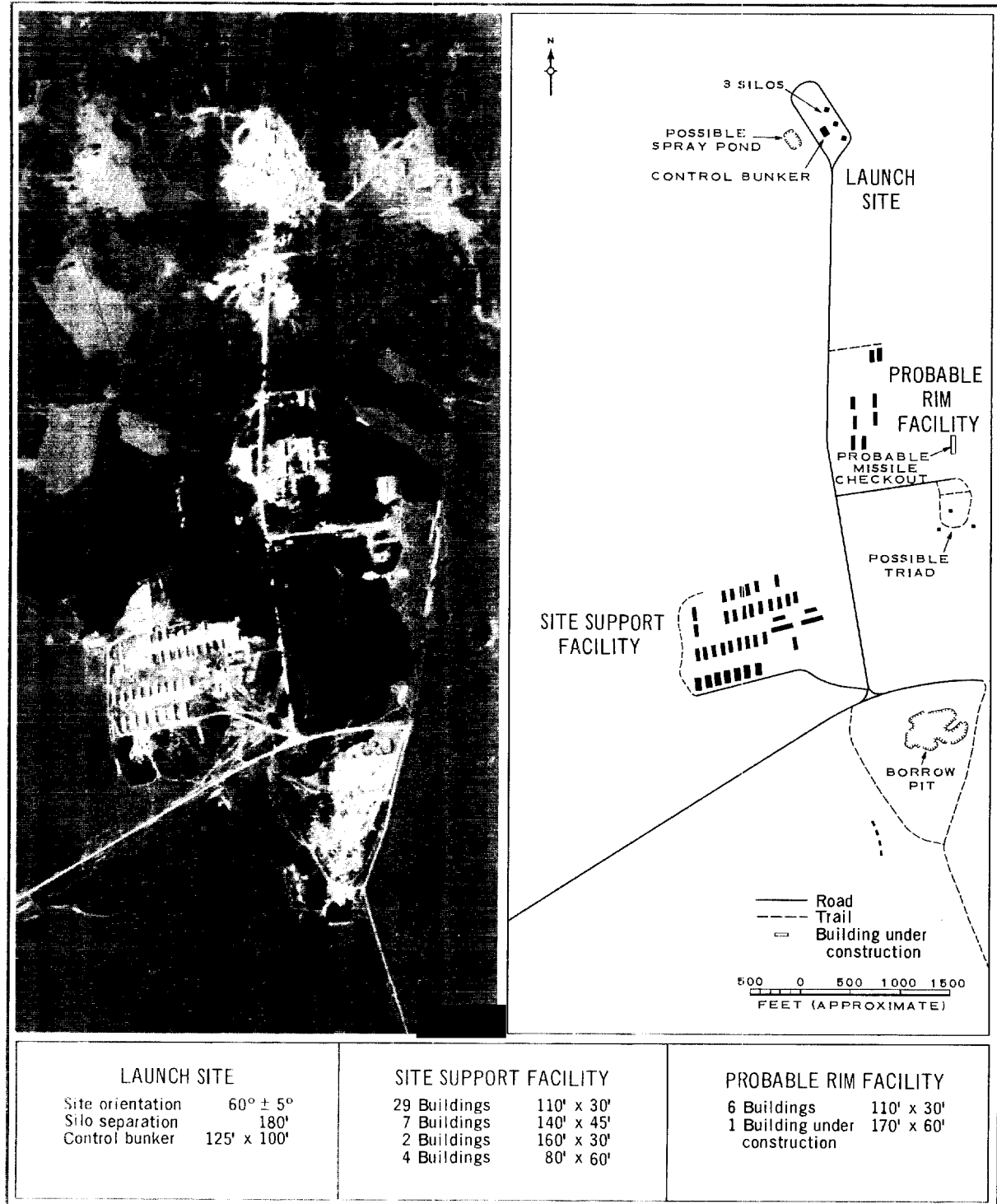


FIGURE 6. LAUNCH AREA B.

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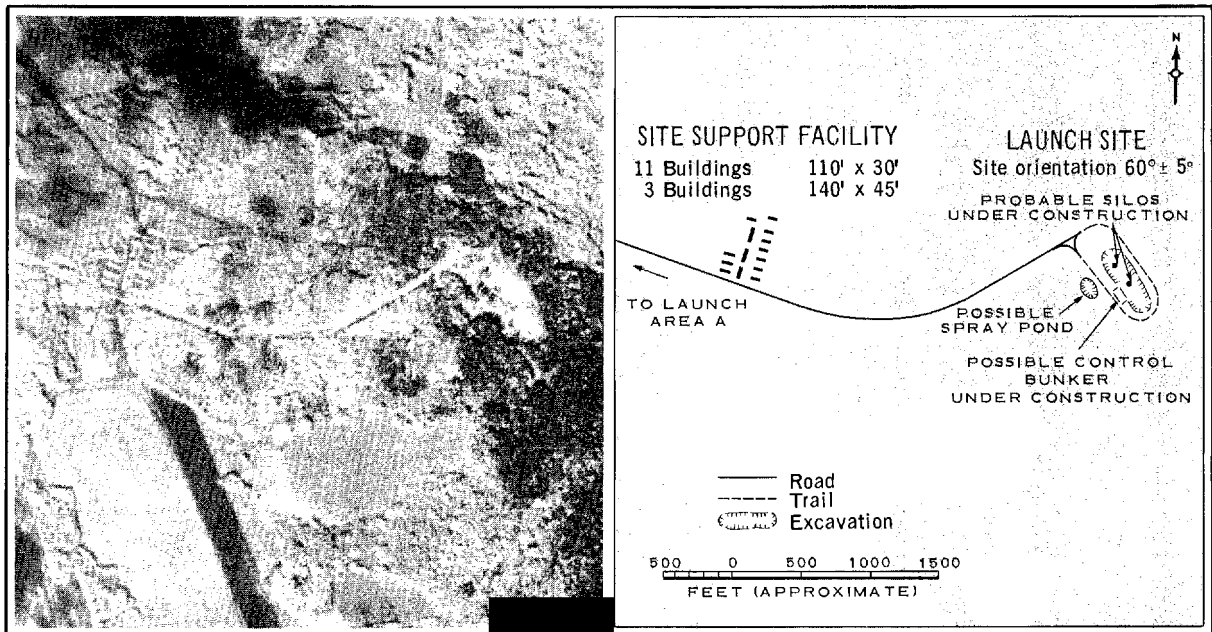


FIGURE 7. LAUNCH AREA C.

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25X1D present on the first usable photograph in [REDACTED]
25X1D [REDACTED] when it was in an
25X1D early stage of construction. No security fencing
25X1D has been identified. On photography of [REDACTED]
[REDACTED] which was of low
contrast and lacking in clarity, only the possible
spray pond could be identified. Neither the silo
covers nor the loop road was visible. The site is
oriented on an azimuth of 60 degrees, plus or
minus 5 degrees, and has been backfilled.

The site support facility is located 5,700
feet south of the launch site on the west side of

the access road and consists of 38 buildings. A
probable RIM facility is located 4,200 feet south
of the launch site on the east side of the access
road. The relative position and general similari-
ty of this facility to the one at Launch Area A
indicate that both will serve the same function.

25X9

LAUNCH AREA C

Launch Area C contains a Type IIIA launch
site in the midstage of construction and a site
support facility located in a wooded area 9.1 nm
east of the complex support facility (Figure 7).

25X1D The site was identified [REDACTED]

25X1D Photography of [REDACTED]
[REDACTED] at which time the ground was snow cover-

ed, showed a clearing at the site location but no
access road or evidence of construction. The
launch area is served by a new well-engineered
road with wide-radius turns.

The launch site consists of a loop road en-
compassing an excavation oriented on an azimuth
of 60 degrees, plus or minus 5 degrees. On

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photography of [REDACTED] which was of low contrast and lacking in clarity, two probable silos and a possible control bunker appeared to be under construction in the excavation. A rectangular clearing, adjacent to but out-

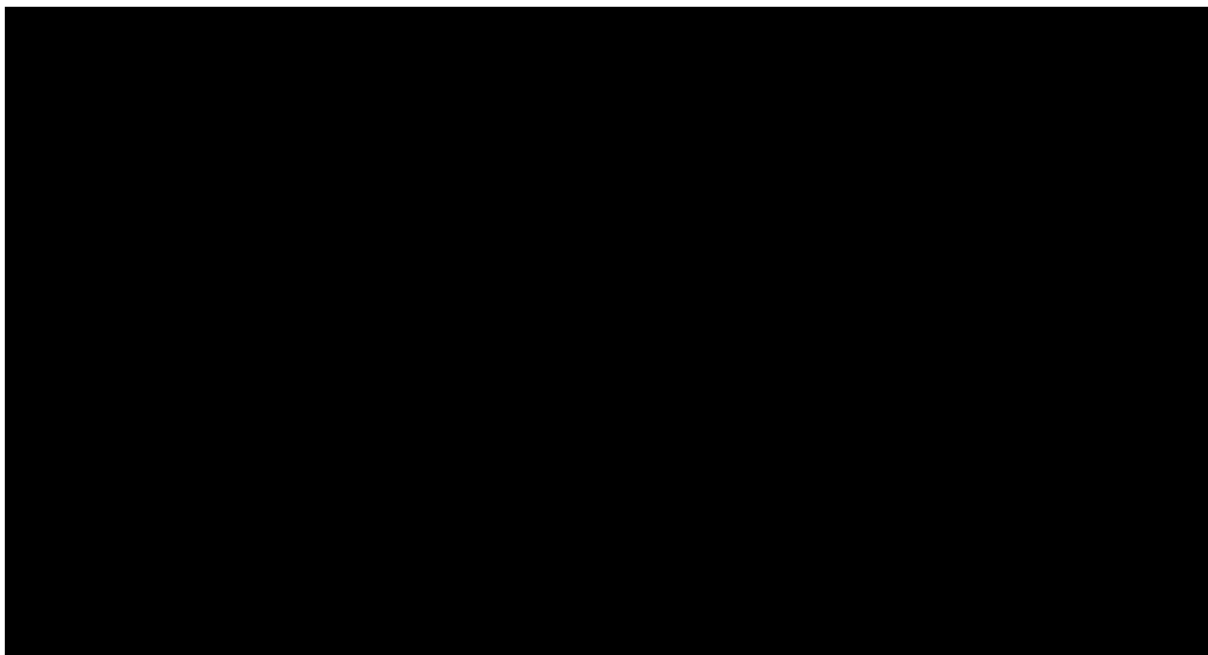
side of the loop road, may be the future location of a possible spray pond.

The site support facility is located approximately 3,400 feet west of the launch site and contains 14 buildings.

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0156-24A, 2d ed, Oct 59, scale 1:200,000 (SECRET)

DOCUMENTS

NPIC. R-69/62, *ICBM Launch Complex Near Shadrinsk, USSR*, May 62 (TOP SECRET CHESS RUFF)

NPIC. R-83/62, *ICBM Launch Complex, Shadrinsk, USSR*, Jun 62 (TOP SECRET CHESS RUFF)

REQUIREMENT

NPIC. PC 806/63 (partial answer)

NPIC PROJECT

J-368/63 (partial answer)

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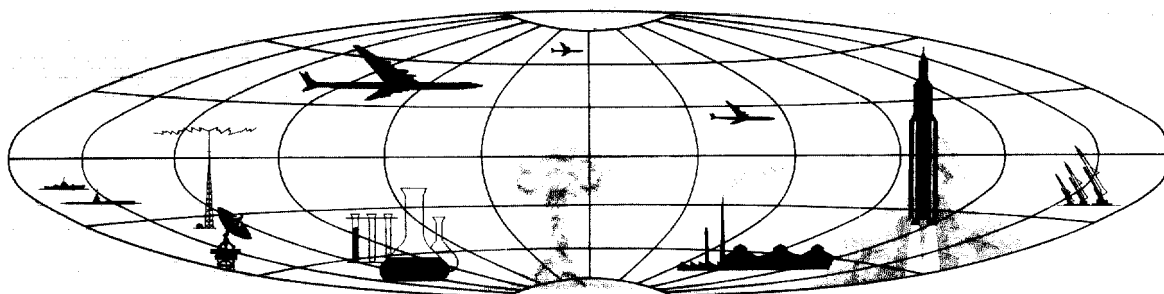
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